TECHNICAL INFORMATION

EPOBECC AQ TOP COAT

Water-Base Top Coat

521-87074-000

DESCRIPTION

EPOBECC AQ TOP COAT is a two-part water-based epoxy finish with an excellent gloss, cures by chemical reaction, does not produce strong odors and is VOC-free and environmentally friendly.

USE

EPOBECC AQ TIE COAT is ideal for coating on structures, tubing and floors in places with strict environmental standards.

Structure	Structural elements (columns, trusses, etc.), Metal structures, tank outer walls, Aerial piping, fences, meshes and gates.
Exterior/Interior	Indoors, Outdoors
Surface	Iron, Steel, bare or plastered concrete.
Product line	Professional/industrial Line

CHARACTERISTICS

SPECIAL PROPERTIES

Finish	Glossy
Excellent Adherence	
Rust and chemical resistant	
Rust-resistant Surface	
Impact and abrasion resistant	
No strong smell	

PHYSICAL PROPERTY	DATA
Volume Solids (%)	42 - 46
Pot life @ 20°C.	24 hours
Weight solids (mix) (%)	60 - 64
Weight per Gallon, Component A (kg/gal)	5.65 - 5.75
Stormer Krebs Viscosity (KU), Component A	100 - 110
Recommended dry film thickness	2 - 3 mils (spray gun: max 2 mils)

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Theoretical Yield (m^2/gallon)	66m^2 @ 1 mil
Salt Spray Resistance (ASTM B-117) in hours	3500 (as part of a coating system)
Shelf Life	Component A: 24 months Component B: 24 months
VOC (grams/liter)	< 5

Definition of theoretical yield: Maximum surface that can be covered with a painting under ideal conditions. The practical performance varies depending on the type of surface used tool, applicator experience and other factors. 1 mil = 0.0254 mm.

CONTAINERS

AVAILABLE CONTAINERS
Component A, 521-87074-000: 5.7 kg (in 1-gallon container for an easier catalyzation).
Component A, 521-87074-000: 15,14 Liter (in 5-gallon bucket for an easier catalyzation)
Component B, 521-87074-999: ¼ gallon can Component B, 521-87074-999: 0,487 kg (in 16 Fl. Oz., 1/8 gallon can)

AVAILABLE COLORS
RAL chart colors

SURFACE PREPARATION

CONDITION	INSTRUCTION
Surface Preparation	Surface should be free of rust, grease, dust or any other contaminant that can affect the coating adherence or performance.
NACE Standard	Use NACE o SSPC (Steel Structure Painting Council) standards, or our own "Manual de Patrones Gráficos BECC para la preparación de superficies de acero" (BECC Graphic patterns for Steel surface preparation).
Adequate Primers	It should be applied over the adequate primer for every substrate, as follows: On steel: Aquabecc Epoxy Primer 521-87055-307 Zinc-Tech Aqua Primer 521-87054-720

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Zinc-Tech Inorganic Primer HS 521-85051-720
Zinc Tech Aqua Silicate Primer 521-85053-720.

PRODUCT PREPARATION

COMPONENT	MIXING RATIO	MIXING INSTRUCTIONS
Component A: 521-87064-000: EPOBECC AQ TOP COAT	**8 Parts**	Stir each component until fully homogeneous
COMPONENT B: 521-87074-999, EPOBECC AQ TOP COAT, Part B	**1 Part**	Mix both Components A and B, wait for the induction time and apply
Diluent: Clean Water	**10%**	

Stir until product is completely homogeneous.
INDUCTION TIME: 20 minutes

PRODUCT APPLICATION

IT CAN BE APPLIED WITH

Brush

Roller

Airless Equipment

Spray gun (gravity or suction feed)

Airless Aplication	
Nozzle	0.38mm (0.015”) - 0.43mm (0.017”)
Pressure	1700 - 2000 psi

Application conditions	
Relative Humidity	10% - 85%
Room Temperature	10°C - 40°C

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Surface Temperature	5°C – 35°C
Surface temperature should be at least 3°C (5°F) over dew point.	
Drying times	
Dust-free Dry Time	1 hour – 1 hour 30 minutes
Touch-Dry Time	4 – 6 hours
Recoat time	4 – 24 hours
Total curing time	7 days
Drying times listed are under ideal conditions (Between 22 – 28°C temperature and 50 – 80% ambient humidity). These times are dependent on temperature, moisture, film thickness and dilution.	

OBSERVATIONS

- ✓ If you need more information, check our website https://www.gruposur.com/asistencia/
- ✓ For optimal performance this product should not be applied in high relative humidity. In these conditions it can have slow drying or curing, loss of adhesion or irregular finish.
  Keep container tightly closed in a ventilated place, between 20 and 30°C, out of reach of children.
- ✓ Container must be kept tightly closed to avoid loss of its properties.

HEALTH

- ✓ If you need to dispose of empty containers of our products in Costa Rica, contact your SUR Color paint store or our industrial compound in La Uruca, San Jose.
- ✓ This a professional/industrial product and it should be applied by properly trained personnel, wearing appropriate Personal Protection Equipment (PPE), as described in its Safety data Sheet (MSDS), available at http://www.gruposur.com